

SAFETY DATA SHEET

in accordance with regulation (EC) N°1907/2006 – REACH

1 – PRODUCT AND COMPANY IDENTIFICATION

Product name	Milled Carbon Fibre
Relevant uses	rubber belts, thermosetting composites, textile yarns, paints, non-wovens, abrasives and friction materials
Uses advised against	None
Company name	Easy Composites Ltd
Address	Unit 39, Park Hall Business Village Longton, Stoke on Trent ST3 5XA, United Kingdom
Telephone number	+44 (0) 1782 454499
Email	sales@easycomposites.com

2 – HAZARDS IDENTIFICATION

Main product risks	Electricity conducting material. Airborne fibers can short circuit electrical equipment. Our carbon fibers are NOT ATEX nor hazardous.
Human health risks	Fine dust may irritate skin, eyes and mucous membranes. No case of disease reported.
Environmental risks	Known as a non-polluting product, but which may cause electrical short circuits when dispersed.
Specific risks	None

*This product is an **ARTICLE** that is **NOT classified as hazardous** according to the decree of 07/12/2009, or regulations (EC) n°1272/2008 (CLP), 67/548/EEC and 1999/45/EC.*

3 – COMPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture	> 96 % of carbon fiber (in graphite form)
Standard or chemical name	Carbon fiber on basis polyacrylonitrile (PAN)
CAS number	7440-44-0
EINECS/ELINCS number	Polymer (231-153-3)
GHS/CLP or hazard symbols	Not classified
R-phrase	Not applicable
Substances of Very High Concern (SVHC)	None or below 0.1%
CMR	None or below 0.1%
Other components (sizing)	None or below 0.1%

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4 – FIRST AID MEASURES

General advice	Dust may be irritating. Change clothing.
Eye contact	Rinse thoroughly with plenty of water for at least 15 min and seek medical advice.
Skin contact	Wash thoroughly with water and soap.
Inhalation	Remove subject to fresh air. Seek medical attention if symptoms persist.
Ingestion	Rinse mouth and drink water. No medical treatment required.

5 – FIRE-FIGHTING MEASURES

Suitable extinguishing media	All usual extinguishing products appropriate for the surrounding fire are allowed. Avoid full water jet.
Specific hazards	Not flammable or combustible under normal uses. Risk of formation of toxic pyrolysis products (CO).
Special protective equipment for firefighters	Wear full-face, self-contained breathing apparatus to avoid inhalation of fumes or decomposition products.
Specific methods	None

6 – ACCIDENTAL RELEASE MEASURES

Individual precautions	Use an individual protection equipment. Ensure adequate ventilation. Avoid contact with the skin and the eyes.
Environmental precautions	Avoid worsening the dispersion. Prevent entry into waterways, sewers, basements or confined areas.
Cleaning methods	Avoid dust formation. Clean up with sweep or vacuum.

7 – HANDLING AND STORAGE

Handling precautions	Keep away from sources of ignition – no smoking . Avoid the dispersion of discharging loose fibres into open air. Wash thoroughly after handling. No electrical appliances or protect them in sealed or pressurised cases. Insulating varnish may be applied to electronic boards and electrical terminals.
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Oxidizing properties	none
Decomposition temperature	> 650 °C in air (carbon fiber), 290°C (sizing)
Solubility in water and solvents used	insoluble fibre – sizing agent soluble in chlorinated solvents, acetone, DMF
Partition coefficient (n-octanol/water)	no information available

10 – STABILITY AND REACTIVITY

Stability	Stable.
Conditions to avoid	See section 7. Avoid contact with heat, flame, spark.
Hazardous reactions	Reactions with strong oxidizing agents. In the supplied form our product is not explosive however the processing and buildup of fine dust can lead to a risk of dust explosion (accumulation of fine dust in a closed area).
Hazardous decomposition products	Oxides of carbon (CO, CO _x).

11 – TOXICOLOGICAL INFORMATION

Acute toxicity	Product presumed non toxic .
Local effects	Carbon fibers and dust may cause mechanical irritation of the eyes, skin, nose and throat. The filament is not breathable (IARC). None carbon fibers with diameter below 3.5 µm (≥ 7 µm) and length below 80 µm, therefore they are not considered as “respirable fiber-shaped particles” (RFP ≤ 3.5 µm diameter).

12 – ECOLOGICAL INFORMATION

Ecotoxicity	This material is not classified as dangerous for the environment. Ecological data are not available.
Persistence and degradability	Non-polluting, stable product.
Mobility in soil	No information available.
Bioaccumulation	No information available.
PBT/vPvB	These products are not classified as PBT or vPvB.

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13 – DISPOSAL CONSIDERATIONS

Waste disposal	Dispose of wastes in a suitable place according to local regulations – do not incinerate. Incineration may cause carbon fibre particles to be dispersed into the air which may damage electrical equipment.
Treatment of contaminated packaging	Packaging that cannot be cleaned should be disposed of as for product.

14 – TRANSPORT INFORMATION

Carbon products are **not classified as hazardous** in terms of national and international transport regulations – **no specific transport label required. Not ADR nor GHS/CLP-classified.**

15 – REGULATORY INFORMATION

These products are **not submitted** to regulations (EC) n°1272/2008 (CLP), 67/548/EEC, nor n°1999/45/EC. Our products **don't contain** substances of very high concern (SVHC, REACH: EC 1907/2006 & 453/2010) or substances submitted to authorization (ANNEX XIV, REACH) and all substances which are submitted to CLP regulation are listed in the table part 2.

These products comply with: **TSCA** (USA), **DSL** (Canada), **EINECS/ELINCS** (Europe), **REACH UK** (UK), **CH INV** (Switzerland), **ENCS** (Japan), **KECL** (Korea), **IECSC** (China), **TCSI** (Taiwan), **NZIoC** (New Zealand) and **AICS** (Australia) regulations.

16 – OTHER INFORMATION

We believe that the information contained in this safety data sheet is correct to the best to our knowledge. However, the information contained in this sheet is not exhaustive. This safety data sheet does not anticipate all the circumstances in which the product may be used, nor all the physical and mental characteristics of each individual responsible for its transport or transformation. It is the duty of the user to test and use this product safely, in accordance with the laws and regulations in force. Unless otherwise stated in writing, we accept no responsibility for complaints or damage caused related to the use of this product. For all additional information, please contact the QSE Department of Apply Carbon.